



**APPENDIX C-1**

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**BOILER FUEL USE  
RECORDKEEPING FORM**

## BOILER FUEL USE RECORDKEEPING FORM FOR BOILERS WITH FUEL METERS

PTO NUMBER: \_\_\_\_\_

BOILER SERIAL #: \_\_\_\_\_

BUILDING NUMBER: \_\_\_\_\_

BOILER ID#: \_\_\_\_\_

TYPE FUEL USED: \_\_\_\_\_

FUEL METER SERIAL #: \_\_\_\_\_

[illegible]

## **APPENDIX C-2**

### **ICE WITH INLINE FUEL METER SERVICE LOG AND INSTRUCTIONS**

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MONTH/YEAR: \_\_\_\_\_

**\* FUEL SERVICING LOG #1**  
**(ICEs WITH in-line fuel meters)**

(A) PERMIT TO OPERATE NO: _____ (B) ENGINE MAKE/MODEL: _____ (C) ENGINE SERIAL/ID NUMBER: _____	(D) OPERATING LOCATION: _____ (E) HOUR METER START: _____ (F) HOUR METER END: _____
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**NOTE: THE FUEL METER FOR EACH ICE MUST BE MUST BE READ AT THE END OF EACH CALENDAR YEAR TO FACILITATE ACCURATE FUEL USE MONITORING.**

(G) Date	(H) Name of Person Servicing Equipment	(I) Engine Hour Meter Reading (hours)	(J) Starting Fuel Meter Reading (gal/scf)	(K) Ending Fuel Meter Reading (gal/scf)	(L) Fuel Used YTD (gal/scf)	(M) Total Hours YTD (hours)	(N) Purpose of Entry <sup>1</sup>
							<input type="checkbox"/> New Year <input type="checkbox"/> New Location <input type="checkbox"/> Continuation <input type="checkbox"/> Other: _____ <input type="checkbox"/> Quarterly    _____ <input type="checkbox"/> Refuel
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
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							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____
							<input type="checkbox"/> Quarterly <input type="checkbox"/> Refuel <input type="checkbox"/> Other: _____

\* The use of this service log is effective 1 January 1997.

<sup>1</sup>Key:    New Year -    Reset year to date parameters to zero at the start of a calendar year  
          Continuation -    Continue a log within the same calendar year  
          Quarter -    Enter the hour meter reading for the first working day of the calendar quarter  
          Refuel -    Enter fuel use information  
          New Location -    Enter the hour meter reading (start and stop)  
          Other -    Specify reason

**INSTRUCTIONS**  
**FUEL SERVICING LOG NUMBER 1**  
**(ICE's WITH in-line fuel meters)**

1. APPLICABILITY: This log is intended to be used for tracking operating hours and fuel use information on engines that are equipped with fuel meters and are subject to the quarterly recordkeeping requirements described under Rule 333.B.2.

2. MONTH/YEAR: Enter the month and year of ICE operation. A new sheet is to be used at the start of each working day of the calendar month.

3. ENTRIES A THRU F: Entries A thru F shall be completed to initialize a log (1) at the beginning of each calendar year, (2) when the engine is moved from one location to another, and (3) when a continuation sheet is required. Log entries shall be completed as follows:

(A) PERMIT TO OPERATE NUMBER: Enter the applicable PTO number for the engine.

(B) ENGINE MAKE/MODEL: Enter the make and model of the engine. For permits having more than one engine, prepare a separate log for each engine.

(C) ENGINE SERIAL/ID NUMBER: Enter the serial number or identification number of the engine.

(D) OPERATING LOCATION: Enter the location where the engine is to be operated (e.g. VAFB, Santa Barbara Airport, etc.). A new log must be initialized each time the engine is moved to a different location. The requirement for a new log does not apply to engines moved to work sites at the same permitted location (e.g. various locations within the boundaries of VAFB).

(E) HOUR METER START: Enter the start hour meter reading for each new operating location. Remember, a new log must be initialized each time the engine is moved to a new location. The purpose of this entry is to track the number of hours the engine is operated at each location.

(F) HOUR METER END: To close-out a log at the current operating location, enter the final hour meter reading. Once a log has been closed-out, a new log must be initialized prior to the engine being operated at the new location. The purpose of this entry is to track the number of hours the engine is operated at each location.

Once the log has been initialized, complete entries G thru N as described below.

4. ENTRIES G THRU N: Entries G thru N shall be completed for the purpose of monitoring engine operating hours and fuel use information. Log entries shall be completed as follows:

(G) DATE: Enter the date of the log entry.

(H) NAME OF PERSON SERVICING EQUIPMENT: (Self-explanatory)

(I) ENGINE HOUR METER READING: before operating, enter the current reading of the hour meter.



- (J) STARTING FUEL METER READING: before operating, enter the current reading of the fuel meter installed on the ICE in-line fuel system.
- (K) ENDING FUEL METER READING: upon completion of operation, enter the reading of the fuel meter installed on the ICE in-line fuel system.
- (L) FUEL USED YEAR TO DATE(YTD): At the beginning of each calendar year, this entry must be set to zero. For all other entries, subtract "Starting Fuel Meter Reading" (Column J) from "Ending Fuel Meter Reading" (Column K) and add the difference to the previous amount entered for "Fuel Used Year To Date" and enter the result. All values should be expressed to the nearest tenth of a gallon (e.g. 10.3, 9.8).
- (M) TOTAL HOURS YEAR TO DATE: This should be an accumulative quantity for the year.
- (N) PURPOSE OF ENTRY: There are up to six reasons for making a log entry: (1) To reset all "year-to-date" parameters to zero at the start of the calendar year, (2) To begin a continuation sheet within the same calendar year, (3) to record an hour meter reading the first working day of each calendar quarter, (4) to monitor fuel use information, (5) identify that the engine has been utilized at a location other than VAFB. (Note: Prior to using the engine at another location a hourmeter reading will be required, and (6) Other would be used for unexpected events or unusual circumstances that would effect the total hour meter reading of the engine. Mark all applicable boxes provided under Column M each time an entry is completed (a minimum of one box should be marked for each log entry).

## **APPENDIX C-3**

### **ICE WITHOUT INLINE FUEL METER SERVICE LOG AND INSTRUCTIONS**

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**FUEL SERVICING LOG #2**

(For ICEs without in-line fuel meters)

(A) PTO/Registration NO: _____ (B) ENGINE MAKE/MODEL: _____ (C) ENGINE SERIAL NO: _____	(D) OPERATING LOCATION: _____ (E) HOUR METER START: _____ (F) HOUR METER END: _____
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G Date	H Location	I Individual Servicing Equipment	J Fuel Added (gal)	K Fuel YTD (gal)	L Hour Meter	M Hours YTD	N Purpose of Entry
							__ New Year      __ New Location __ Continue      __ Quarterly __ Re-Fuel      __ De-Fuel Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____
							__ Re-Fuel      __ De-Fuel __ Quarterly      Other _____

Note: Each ICE must be topped-off at the end of the calendar year to facilitate accurate fuel use monitoring.

Key:

New Year -	Parameters at start of calendar year (Jan. 1).
New Location -	Parameters at a new location.
Continue -	Continuation of a previous log at the same location and calendar year.
Quarterly -	Parameters at the start of a new quarter (April 1, July 1, and October 1)
Re-Fuel -	Parameters at the time of adding fuel.
De-Fuel -	Parameters at the time of fuel.
Other -	Specify reason



**INSTRUCTIONS**  
**FUEL SERVICING LOG NUMBER 2**  
**(ICE's WITHOUT in-line fuel meters)**

1. APPLICABILITY. This log is intended to be used for tracking operating hours and fuel use information on engines that are not equipped with fuel meters and are subject to the quarterly recordkeeping requirements described under Rule 333.B.2.

2. MONTH/YEAR. Enter the month and year of ICE operation. A new sheet is to be used at the start of each working day of the calendar month.

3. ENTRIES A THRU F. Entries A thru F shall be completed to initialize a log (1) at the beginning of each calendar year, (2) when the engine is moved from one location to another, and (3) when a continuation sheet is required. Log entries shall be completed as follows:

(A) PERMIT TO OPERATE NUMBER: Enter the applicable PTO number for the engine.

(B) ENGINE MAKE/MODEL: Enter the make and model of the engine. For permits having more than one engine, prepare a separate log for each engine.

(C) ENGINE SERIAL/ID NUMBER: Enter the serial number or identification number of the engine.

(D) OPERATING LOCATION: Enter the location where the engine is to be operated (e.g. VAFB, Santa Barbara Airport, etc.). A new log must be initialized each time the engine is moved to a different location. The requirement for a new log does not apply to engines moved to work sites at the same permitted location (e.g. various locations within the boundaries of VAFB).

(E) HOUR METER START: Enter the start hour meter reading for each new operating location. Remember, a new log must be initialized each time the engine is moved to a new location. The purpose of this entry is to track the number of hours the engine is operated at each location.

(F) HOUR METER END: To close-out a log at the current operating location, enter the engines final hour meter reading. Once a log has been closed-out, a new log must be initialized prior to the engine being operated at the new location. The purpose of this entry is to track the number of hours the engine is operated at each location.

Once the log has been initialized, complete entries G thru M as described below.

4. ENTRIES G THRU M. Entries G thru M shall be completed for the purpose of monitoring engine operating hours and fuel use information. Log entries shall be completed as follows:

(G) DATE: Enter the date of the log entry.

(H) NAME OF PERSON SERVICING EQUIPMENT: (Self-explanatory)

- (I) QUANTITY OF FUEL ADDED: Complete this entry only when the engine has been refueled! This information must be taken from the metering device from which the fuel was received. All values should be expressed to the nearest tenth of a gallon (e.g. 10.3, 9.8). Ensure the fuel tank is topped-off or filled to the same "full mark" each time the engine is refueled. Tank must also be topped off at the end of each year, so the new year can be started with a full tank. This will allow accurate determination of quantity of fuel used.
- (J) FUEL USED YEAR TO DATE (YTD): At the beginning of each calendar year, this entry must be set to zero. For all other entries, add the previous amount entered for "Fuel Used Year To Date" to the current amount entered for "Quantity of Fuel Added" (Column I) and enter the result. All values should be expressed to the nearest tenth of a gallon (e.g. 10.3, 9.8).
- (K) HOUR METER READING: Enter an hour meter reading any time an entry is made into the log.
- (L) TOTAL HOURS YEAR TO DATE: This should be an accumulative quantity for the year.
- (M) PURPOSE OF ENTRY: There are up to six reasons for making a log entry: (1) To reset all "year-to-date" parameters to zero at the start of the calendar year, (2) To begin a continuation sheet within the same calendar year, (3) to record an hour meter reading the first working day of each calendar quarter, (4) to monitor fuel use information, (5) identify that the engine has been utilized at a location other than VAFB. (Note: Prior to using the engine at another location a hour meter reading will be required, and (6) Other would be used for unexpected events or unusual circumstances that would effect the total hour meter reading of the engine. Mark all applicable boxes provided under Column M each time an entry is completed (a minimum of one box should be marked for each log entry).